

ABSTRACT

A friction clutch device comprising a flywheel with a front end designed to be fixed to a vehicle crankshaft (11) and a rear end in the form of a hollow-shaped reaction plate (4) with a central recess (39) externally defined by a friction surface (37) and a friction disc (20), including at its external periphery at least a friction lining (16) to be in contact with the reaction plate (4) friction surface (37). The friction lining (16) is integral with a support (21) elastically coupled via a torque damper (20a) to a central hub (15) designed to be interlocked in rotation with a driven shaft. The torque damper (20a) penetrates into the reaction plate (4) central recess (39) and the flywheel (13) bearing between its front and rear ends the rotor (6) of a rotating electric machine (2) comprising a fixed stator (5).